

Maricopa County Local Additions & Addenda

Maricopa County Planning and Development Department
411 North Central, Third Floor
Phoenix, AZ 85004-2191

October 2002



Maricopa County

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Table of Contents

CHAPTER 1 – PURPOSE & TITLE		
Section		Page
101	Purpose	1
102	Title	1
103	Separability	1
104	Amendment	1
105	Revocation	1
CHAPTER 2 – ADMINISTRATION		
Section		Page
201	Definitions	
202	Violation & Penalty - Reserved	
203	Building Code Advisory Board - Reserved	
204	Organization & Enforcement	
205	Permits	
206	Inspections	
207	Certificate of Occupancy	
208	Fees	
209	Additional Regulations	
210	Barriers for Swimming Pools, Spas & Hot Tubs	
211	Residential Woodburning Restrictions	
CHAPTER 3 – ADOPTION OF NATIONAL CODES		
Section		Page
501	2000 International Building Code	
502	2000 International Residential Code	
503	2000 International Mechanical Code	
504	1994 Uniform Plumbing Code	
505	1999 National Electrical Code	

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 1 – Purpose & Title

SECTION 101. PURPOSE

The purpose of this document is to provide all local addenda, amendments, and additions to the adopted national building codes in one location.

SECTION 102. TITLE

This document shall be referred to and known as “Local Additions & Addenda”.

SECTION 103. SEPARABILITY

If any section, subsection, sentence clause, phrase or portion of this Ordinance is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not effect the validity of the remaining portions thereof.

SECTION 104. AMENDMENT

This document may be amended from time to time. It may be amended by simple motion of the Board of Supervisors, provided all state required legal advertising for amending a Building Code has been satisfied. Staff may correct typographical errors and/or reformat this document without being considered an amendment.

SECTION 105. REVOCATION

This document shall abolish, replace, and/or supercede any previous amendments, changes or additions to the national codes previously approved by Maricopa County.

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 2 – Administration

SECTION 201. PURPOSE

The purpose of this Chapter is to provide all local changes to the adopted national building codes that relate to the administration of those codes in on location.

SECTION 202. VIOLATION & PENALTY (Reserved)

SECTION 203. BUILDING CODE ADVISORY BOARD (Reserved)

SECTION 204. ORGANIZATION & ENFORCEMENT

Code Enforcement Agency

The Code Enforcement Agency created under the building code shall be defined in Maricopa County as the Planning and Development Department. This Planning and Development Department is charged by the Board of Supervisors to implement the building code and other pertinent laws, ordinances and/or regulations through the County's One Stop Shop Program.

Building Official

The Building Official shall be the Director of the Planning and Development Department (or his/her duly authorized representatives), who is charged with the administration and enforcement of the building code and Building Safety Ordinance.

General

Wherever the building code refers to the intent, purpose, implementation, inspection, enforcement, regulation, issuance of documents, compliance or other similar activity related to "this code", the phrase for purposed of implementing the "One Stop Shop Program" shall mean "this code or other pertinent laws, ordinances, and/or regulations implemented through the Code Enforcement Agency."

SECTION 205. PERMITS

Permit Expiration: A permit may be renewed within one year of expiration provided that no change in ownership or engineer/architect of record has occurred. Renewal after expiration for more than one year shall not be permitted. Any such permit shall be deemed to be revoked and a new permit must be issued.

SECTION 206. INSPECTIONS

Pre-Permit Inspection: A pre-permit inspection may be necessary and shall be the responsibility of the permit holder to post the property in a manner approved by the Building Official.

Permit Holder Responsibilities: It shall be the responsibility of the permit holder to:

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 2 – Administration

1. Call for an inspection.
2. Stake property corners.
3. Designate property lines prior to the inspection of any primary use.
4. Post the inspection card.
5. Provide a copy of the approved plans on the site.
6. Provide access to the site.
7. Have someone at the site during the inspection.

Failure to complete the above shall result in no inspection at the time and an assessment of a re-inspection fee. A survey of the lot may be required by the Building Official to verify that the building/structure is located in accordance with the approved plans.

Partial Inspections: Partial inspections may be requested and conducted when necessary due to common construction practices. If a partial inspection is approved, documentation shall be maintained during construction that identifies what segments of work have obtained what types of partial inspection approval.

Re-inspections: Re-inspection fees shall apply when:

1. Property lines have not been designated as required.
2. The inspection card is not posted or available on the work site.
3. Approved plans are not readily available to the inspector on the site.
4. There is no access on the date for which the inspection is requested.
5. Work is not ready for inspection.
6. Work has been covered.
7. Late cancellation.
8. There is a deviation from plans significant enough to require approval of revised plans.

To obtain a re-inspection, the applicant shall follow the same procedures required for an inspection after paying a re-inspection fee.

SECTION 207. CERTIFICATE OF OCCUPANCY

The purpose of a Certificate of Occupancy is to insure that all department requirements have been met. A Certificate of Occupancy is required for all permits except those issued over the counter.

Temporary Certificate: A Temporary Certificate of Occupancy may be issued with the concurrence of all impacted departments and when appropriate fees are paid. Bonding, if required, shall be provided in accordance with the requirements of the Maricopa County Zoning Ordinance prior to issuance of a Temporary Certificate.

Chapter 2 – Administration

SECTION 208. FEES

Additional Value Determinations:

Retaining walls	Per lineal foot
0-2'	\$15
2-4'	\$25
4-6'	\$42
6' or more	\$86
Chain link	\$ 6
CMU	
4" 6' or less	\$14
4" more than 6'	\$21
8" block or other	\$22
Wrought iron	\$16
Iron wood	\$18
Wood	\$11
3 strand barbed wire	\$ 3
Rail	\$ 6

Water/sewer collection and distribution lines shall be valued as determined by the building official.

Chapter 2 - Page 3

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 2 – Administration

denied. The applicant may then resubmit and the submittal shall be treated as a new application. Should these circumstances occur or the permit has been expired in accordance with the Building Code, the Building Official may use information located in the denied/expired files to expedite processing, provided that the owner and/or architect/engineer have remained the same and that the building plans have not been changed.

No subsequent step in the permit process shall be undertaken without all fees due being paid.

Fees: The Building official may develop a requirement for an initial flat rate filing fee for permits that require plan review. Should this type of fee be developed, said fee shall be considered as a part of and credited against any required plan review fees. The building plan review fees specified in the code are separate fees from the permit fees specified, these fees are also separate from the fees specified for investigations. Building plan review fees are assessed in addition to these other fees. All fees may be rounded up to the next full dollar amount at the discretion of the Building Official.

The following fees are hereby established for use.

TABLE 1-A – BUILDING CODE/PERMIT FEES

Total Valuation	Fee
\$1 TO \$500	\$23.50
\$501 TO \$2,000	\$23.50 for the first \$500 plus \$3.05 for each additional \$100, or fraction thereof, to and including \$2,000
\$2,001 to \$25,000	\$69.25 for the first \$2,000 plus \$14.00 for each additional \$1000, or fraction thereof, to and including \$25,000
\$25,001 to \$50,000	\$391.75 for the first \$25,000 plus \$10.10 for each additional \$1000, or fraction thereof, to and including \$50,000
\$50,001 to \$100,000	\$643.75 for the first \$50,000 plus \$7.00 for each additional \$1000, or fraction thereof, to and including \$100,000
\$100,001 to \$500,000	\$993.75 for the first \$100,000 plus \$5.60 for each additional \$1000, or fraction thereof, to and including \$500,000
\$500,001 to \$1,000,000	\$3,233.75 for the first \$500,000 plus \$4.75 for each additional \$1000, or fraction thereof, and including \$1,000,000
\$1,000,001 and up	\$5,608.75 for the first \$1,000,000 plus \$3.65 for each additional \$1000, or fraction thereof

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 2 – Administration

Other Inspections and Fees:

1. Inspections outside of normal business hours	\$ 150 per inspection
2. Reinspection fees	\$ 50 per inspection
3. Inspections for which no fee is indicated	\$ 50 per inspection
4. Expedited in-house plan review	\$ 75 per hour
5. Expedited plan review by consultant	Actual costs
6. Standard plan review (5 options)	2 times normal plan review fee
7. Change to approved plan (includes standards)	\$ 250
8. Modification	\$ 100 per request
9. Alternate material, design or methods under	\$ 100 per request
10. Tests required	\$ 100 per test & test fees paid by applicant
11. Appeal to the Building Code Advisory Board	\$ 500
12. Amendment to the Code	\$1500
13. Requested/needed staff directive	\$ 250

Flat Rate Fees:

Air conditioner	\$ 30
Elec. Serv Residential 1 – 200 amps	\$ 30
Elec. Serv Res or Comm 201 – 400 amps	\$ 50
Elec. Serv Over 400 amps	\$ 90
Temporary meter	\$ 30
Evaporative cooler	\$ 30
Gas Line (connect or clearance)	\$ 30
Mobile home "Pre-HUD Upgrade"	\$ 30
Plumbing sewer line SFR	\$ 30
Irrigation System	\$ 30
Sprinkler	\$ 30
Mechanical	\$ 30
Plumbing (Install or replace Equip/fixture/devices)	\$ 30
Demolition Permit	\$ 35
Manufactured/Mobile Home Setup/Installation	\$ 120
Commercial Manufactured Building (factory built building)	Based on installation value & Table 1-A
Occupancy Change	\$ 50
Hot tub or Spa (in or above ground)	\$ 50
Swimming pool above ground	\$ 50
Compliance Inspection	\$ 75
Move on House (compliance inspection)	\$ 75
Renew permit for final	\$ 75
Special Event Fee (tents)	\$ 100 per event

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 2 – Administration

Additional Fees:

Plumbing (water/sewer collector lines)	\$ 30 min based on valuation
Amendment to approved plan data	\$ 30
Unpaved Parking Area Paving	\$100
Temporary Certificate of Occupancy	
Without bonding	\$250
With bonding	\$500
Subdivision Infrastructure Permit	\$300

Copy Charges:

Additional copy of:	
Permit	\$ 2
Job card	\$ 2
Certificate of Occupancy	\$ 2
Copy (Approved Plans – per set)	\$ 15 per set (Restamping Only)
Copy (per page)	
Standard copier	\$ 1
Oversize copier	\$ 6

Grading Fees:

Plan Review Fees:

Volume of material (Cut and Fill)	Fee
<50 cubic yards	No fee
50 – 100 cubic yards	\$ 23.50
101 – 1,000 cubic yards	\$ 37.00
1,001 – 10,000 cubic yards	\$ 49.25
10,001 – 200,000 cubic yards	\$ 49.25 plus \$ 24.50 for each additional 10,000 cubic yards or fraction thereof
200,001 or more cubic yards	\$269.75 plus \$ 7.25 for each additional 10,000 cubic yards or fraction thereof
Additional plan review required	

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 2 – Administration

by changes, additions, or revisions
to approved plans \$ 50.00

Permit Fees:

Volume of material (Cut and Fill)	Fee
<50 cubic yards	\$ 23.50
50 – 100 cubic yards	\$ 37.00
101 – 1,000 cubic yards	\$ 37.00 plus \$ 17.50 for each additional 100 cubic yards or fraction thereof
1,001 – 10,000 cubic yards	\$194.50 plus \$ 14.50 for each additional 1,000 cubic yards or fraction thereof
10,001 – 100,000 cubic yards	\$325.00 plus \$ 66.00 for each additional 10,000 cubic yards or fraction thereof
100,001 or more cubic yards	\$919.00 plus \$ 24.50 for each additional 10,000 cubic yards or fraction thereof

SECTION 209. ADDITIONAL REGULATIONS

NOISE LEVEL REDUCTION: Any building within the vicinity of a military airport (ten miles to the north, south and west and four miles to the east parallel from the center of the main runway of a military airport) shall have a noise level reduction incorporated in the design and construction of any residential building or portions of buildings where the public is received, office areas and where normal noise level is low for first occupancy, including libraries, schools and churches, pursuant to building permits issued after December 31, 2001 in order to achieve a maximum interior noise level of forty-five decibels in areas within noise contours described in Section 1007. of the Maricopa County Zoning Ordinance. All residential buildings in territory in the vicinity of a military airport but outside the noise contours as described in this section shall be constructed with a minimum of R18 exterior wall assembly, a minimum of R30 roof and ceiling assembly, dual-glazed windows and solid wood, foam-filled fiberglass or metal doors to the exterior or, if the specified building standards are not met, the County may approve as an alternative, a certification by an architect or engineer registered pursuant to A.R.S. Title 32, Chapter 1 to achieve a maximum interior noise level of forty-five decibels at the time of final construction.

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 2 – Administration

SECTION 210. BARRIERS FOR SWIMMING POOLS, SPAS & HOT TUBS

SECTION 210.1 - GENERAL

210.1.1

Scope. The provisions of this section apply to the design and construction of barriers for swimming pools located on the premises of Group R, Division 3 Occupancies.

210.1.2

Standards of Quality. In addition to the other requirements of this code, safety covers for pools and spas shall meet the requirements for pool and spa safety covers as listed below. The standard listed below is a recognized standard. (See Section 3504.)

1. ASTM F 1346, Standard Performance Specification for Safety Covers and Labeling Requirement for All Covers for Swimming Pools, Spas and Hot Tubs

SECTION 210.2 – DEFINITIONS

For the purpose of this section, certain terms, words and phrases are defined as follows:

ABOVEGROUND/ON-GROUND POOL. See definition of "swimming pool."

BARRIER is a fence, wall, building wall or combination thereof that completely surrounds the swimming pool and obstructs access to the swimming pool.

GRADE is the underlying surface, such as earth or a walking surface.

HOT TUB. See definition of "spa, nonself-contained" and "spa, self-contained."

IN-GROUND POOL. See definition of "swimming pool."

SEPARATION FENCE is a barrier that separates all doors of a dwelling unit with direct access to a swimming pool from the swimming pool.

SPA, NONSELF-CONTAINED is a hydromassage pool or tub for recreational or therapeutic use, not located in health-care facilities, designed for immersion of users and usually having a filter, heater and motor-driven blower. It may be installed indoors or outdoors, on the ground or on a supporting structure, or in the ground or in a supporting structure. A nonself-contained spa is intended for recreational bathing and contains water over 24 inches (610mm) deep.

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 2 – Administration

SPA, SELF-CONTAINED is a continuous-duty appliance in which all control, water-heating and water-circulating equipment is an integral part of the product, located entirely under the spa skirt. A self-contained spa is intended for recreational bathing and contains water over 18 inches deep.

SWIMMING POOL is any structure intended for swimming or recreational bathing that contains water over 18 inches deep. This includes in-ground, aboveground and on-ground swimming pools, and fixed-in-place wading pools.

SWIMMING POOL, INDOOR is a swimming pool that is totally contained within a residential structure and surrounded on all four sides by walls of said structure.

SWIMMING POOL, OUTDOOR is any swimming pool that is not an indoor pool.

SECTION 210.3 – REQUIREMENTS

210.3.1 Outdoor Swimming Pool. An outdoor swimming pool shall be provided with a barrier that shall be installed, inspected and approved prior to plastering or filling with water. The barrier shall comply with the following:

1. The top of the barrier shall be at least 60 inches above grade measured on the side of the barrier that faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches (51 mm) measured on the side of the barrier that faces away from the swimming pool. The maximum vertical clearance at the bottom of the barrier may be increased to 4 inches (102 mm) when grade is a solid surface such as a concrete deck, or when the barrier is mounted on the top of the aboveground pool structure. When barriers have horizontal members spaced less than 54 inches apart, the horizontal members shall be placed on the pool side of the barrier. Any decorative design work on the side away from the swimming pool, such as protrusions, indentations or cutouts, which render the barrier easily climbable, is prohibited.
2. Openings in the barrier shall not allow passage of a 1 ¾-inch-diameter (44.5 mm) sphere.

EXCEPTIONS:

1. When vertical spacing between such openings is 54 inches or more, the opening size may be increased such the passage of a 4-inch-diameter (102 mm) sphere is not allowed.
2. For fencing composed of vertical and horizontal members, the spacing between vertical members may be increased up to 4 inches (102 mm) when the distance between the tops of horizontal members is 54 inches or more.
3. Chain link fences used as the barrier shall not be less than 11 gage.

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 2 – Administration

4. Access gates shall comply with the requirements of Items 1 through 3.
Pedestrian access gates shall be self-closing and have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches (1372 mm) from the bottom of the gate, (1) the release mechanism shall be located on the pool side of the barrier at least 3 inches (76 mm) below the top of the gate, and (2) the gate and barrier shall have no opening greater than ½ inch (12.7 mm) within 18 inches (457 mm) of the release mechanism. Pedestrian gates shall swing away from the pool. Any gates other than pedestrian access gates shall be equipped with lockable hardware or padlocks and shall remain locked at all times when not in use.
5. Where a wall of a Group R, Division 3 Occupancy dwelling unit serves as part of the barrier and contains door openings between the dwelling unit and the outdoor swimming pool that provide direct access to the pool, a separation fence meeting the requirements of Items 1, 2, 3 and 4 of Section 210.3.1 shall be provided.

EXCEPTIONS: When approved by the building official, one the following may be used:

1. Self-closing and self-latching devices installed on all doors with direct access to the pool with the release mechanism located a minimum of 54 inches (1372 mm) above the floor.
2. An alarm installed on all doors with direct access to the pool. The alarm shall sound continuously for a minimum of 30 seconds within seven seconds after the door and its screen, if present, are opened, and be capable of providing a sound pressure level of not less than 85 dBA when measured indoors at 10 feet (3048 mm). The alarm shall automatically reset under all conditions. The alarm system shall be equipped with a manual means such a touchpad or switch, to temporarily deactivate the alarm for a single opening. Such deactivation shall last no longer than 15 seconds. The deactivation switch shall be located at least 54 inches (1372 mm) above the threshold of the door.
3. Other means of protection may be acceptable so long as the degree of protection afforded is not less than that afforded by any of the devices described above.
4. Where an aboveground pool structure is used as a barrier or where the barrier is mounted on top of the pool structure, and the means of access is a ladder or steps, then (1) the ladder or steps shall be capable of being secured, locked or removed to prevent access or (2) the ladder or steps shall be surrounded by a barrier that meets the requirements of Items 1 through 5. When the ladder or steps are secured, locked or removed, any opening created shall be protected by a barrier complying with Items 1 through 5.

210.3.2 Indoor Swimming Pool. For an indoor swimming pool, protection shall comply with the requirements of Section 210.3.1 Item 5

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 2 – Administration

210.3.3 Spas and Hot Tubs. For a nonself-contained and self-contained spa or hot tub protection shall comply with the requirements of Section 210.3.1

EXCEPTION: A self-contained spa or hot tub equipped with a listed safety cover shall be exempt from the requirements of Section 210.3.1

210.3.4 Where a window faces a swimming pool enclosure, said window shall be equipped with a screwed in place wire mesh screen, a keyed lock that prevents opening the window more than 4" or a latching device located not less than 54" above the floor. Emergency escape or rescue windows in bedrooms which face swimming pool enclosures shall be equipped with a latching device located no less than 54" above the floor.

210.3.5 Protective enclosures shall be located at a minimum horizontal distance of 54" from any equipment, permanent structures, planters, or similar objects that could be used to climb the enclosure. This provision shall not apply to the area between the pool and the protective enclosure if the protective enclosure is a solid wall with no openings.

SECTION 211. RESIDENTIAL WOODBURNING REGULATIONS

211.1 FIREPLACE RESTRICTIONS

211.1.1 Purpose

The purpose of this subsection is to regulate fireplaces, wood stoves, or other solid-fuel burning devices to reduce the amount of air pollution caused by particulate matter and carbon monoxide.

211.1.2 Applicability

The Residential Woodburning Restriction Ordinance applies to any residential wood burning device in sections of Area A that are within Maricopa County or within incorporated cities and towns in such sections.

AREA A – As defined in Arizona Revised Statutes (ARS) §49-541(1), the area in Maricopa County delineated as follows:

- Township 8 North, Range 2 East and Range 3 East
- Township 7 North, Range 2 West through Range 5 East
- Township 6 North, Range 2 West through Range 6 East
- Township 5 North, Range 2 West through Range 7 East
- Township 4 North, Range 2 West through Range 8 East
- Township 3 North, Range 2 West through Range 8 East
- Township 2 North, Range 2 West through Range 8 East
- Township 1 North, Range 2 West through Range 7 East

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 2 – Administration

Township 1 South Range 2 West through Range 7 East
Township 2 South, Range 2 West through Range 7 East
Township 3 South Range 5 West through Range 1 East
Township 4 South Range 5 West Through Range 1 East

211.1.3 Effective Date

The effective date of the regulations and prohibitions set forth this subsection shall be December 31, 1998.

211.1.4 Definitions

For purposes of this subsection, the following words and terms shall be defined as follows:

FIREPLACE means a built in place masonry hearth and fire chamber of a factory-built appliance, designed to burn solid fuel or to accommodate gas or electric log insert or similar device, and which is intended for occasional recreational or aesthetic use, not for cooking, heating, or industrial processes.

SOLID FUEL includes but is not limited to wood, coal, or other nongaseous or nonliquid fuels, including those fuels defined by the Maricopa County Air Pollution Control Officer as "inappropriate fuel" to burn in residential wood-burning devices.

WOOD STOVE means a solid-fuel burning heating appliance, including a pellet stove, which is either freestanding or designed to be inserted into a fireplace.

211.1.5 Installation Restrictions

- (a) On or after December 31, 1998, no person, firm or corporation shall construct or install a fireplace or a wood stove, and the Building Official shall not approve or issue a permit to construct or install a fireplace or a wood stove, unless the fireplace or wood stove complies with one of the following:
 - 1. A fireplace which has a permanently installed gas or electric log insert.
 - 2. A fireplace, wood stove or other solid-fuel burning appliance which has been certified by the United States Environmental Protection Agency as conforming to 40 Code of Federal Regulations Part 60, Subpart AAA as in effect on July 1, 1990.
 - 3. A fireplace, wood stove or other solid-fuel burning appliance which has been tested and listed by a nationally recognized testing agency to meet performance standards, equivalent to those adopted by 40 Code of Federal Regulations Part 60, Subpart AAA as in effect on July 1, 1990.
 - 4. A fireplace, wood stove or other solid-fuel burning appliance which has been determined by the Maricopa County Air Pollution Control Officer to meet

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 2 – Administration

performance standards equivalent to those adopted by 40 Code of Federal Regulations Part 60, Subpart AAA as in effect on July 1, 1990.

5. A fireplace which has a permanently installed wood stove insert which complies with subparagraphs 2, 3, or 4 above.
- (b) The following installations are not regulated by this Article and are not prohibited by this Article:
1. Furnaces, boilers, incinerators, kilns, and other similar space heating or industrial process equipment.
 2. Cook stoves, barbecue grills, and similar appliances designed primarily for cooking.
 3. Fire pits, barbecue grills, and other outdoor fireplaces.

211.1.6 Fireplace or Wood Stove Alterations Prohibited

- (a) On or after December 31, 1998 no person, firm or corporation shall alter or remove a gas or electric log insert or a wood stove insert from a fireplace for purposes of converting the fireplace to directly burn wood or other solid fuel.
- (b) On or after December 31, 1998 no person, firm or corporation shall alter a fireplace, wood stove or other solid fuel burning appliance in any manner that would void its certification or operational compliance with the provisions of this subsection.

211.1.7 Permits Required

In addition to the provisions and restrictions of this subsection, construction, installation or alteration of all fireplaces, wood stoves and gas, electric or solid-fuel burning appliances and equipment shall be done in compliance with provisions of the County Building Code and shall be subject to the permits and inspections required by the County Building Code.

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 3 – Adoption of National Codes

SECTION 301. 2000 INTERNATIONAL BUILDING CODE

The 2000 International Building Code has been adopted as the building code for Maricopa County along with the following M.A.G. amendments:

Amendments to the 2000 International Building Code:

Revise the following Sections to read:

101.2 Scope. Exception: Detached one-and two-family dwellings and multiple single family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall be permitted to comply with 2000 Edition of the International Residential Code.

201.4 Terms not defined. Where terms are not defined through the methods authorized by this chapter, such terms shall have ordinarily accepted meanings such as the context implies. Webster's Third New International Dictionary of the English Language, Unabridged, shall be considered as providing ordinarily accepted meanings.

302.3.3 Separated uses. Exceptions:

2. The private garage shall be separated from the residence and its attic area by means of minimum ½-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch (15.9 mm) Type X gypsum board or equivalent. Door openings between the garage and the residence shall be equipped with either solid wood doors not less than 1-3/8 inches (35 mm) thick, solid or honeycomb core steel doors not less than 1-3/8 inches (35 mm) thick or doors in compliance with Section 714.2.3. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Doors shall be maintained self-closing and self-latching.

In buildings protected with an automatic fire sprinkler system, including the private garage, the room finish materials shall be permitted to be a minimum ½-inch (12.7 mm) gypsum board applied to the garage side.

308.2 Group 1-1. This occupancy shall include a building or part thereof housing more than ten persons, on a 24-hour basis, who because of age, mental disability or other reasons, live in a supervised residential environment that provides personal care services. The occupants are capable of responding to an emergency situation without physical assistance from staff. This group shall include, but not be limited to, the following: residential board and care facilities, assisted living facilities, half-way houses, group homes, congregate care facilities half-way houses, group homes, congregate care facilities, social rehabilitation facilities, alcohol and drug abuse centers and convalescent facilities. A facility such as the above with five or fewer

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 3 – Adoption of National Codes

persons shall be classified as a Group R-3. A facility such as above, housing at least six and not more than ten persons shall be classified as a Group R-4.

310.1 Residential Group "R."

R-3 Residential occupancies where the occupants are primarily permanent in nature and not classified as R-1, R-2 or I and where buildings do not contain more than two dwelling units, or adult and child care facilities that provide accommodations for five or fewer persons of any age.

R-4 Residential occupancies shall include buildings arranged for occupancy as Residential Care/Assisted Living Facilities including more than five but not more than ten occupants, excluding staff.

310.2 Residential Care/Assisted Living Facilities. A building or part Thereof housing a maximum of ten persons, on a 24-hour basis, who because of age, mental disability or other reasons, live in a supervised residential environment which provides personal care services. The occupants are capable of responding to an emergency situation without physical assistance from staff. This classification shall include, but not be limited to, the following: residential board and care facilities, assisted living facilities, halfway houses, group homes, congregate care facilities, social rehabilitation facilities, alcohol and drug abuse centers and convalescent facilities, alcohol and drug abuse centers and convalescent facilities. Residential care/assisted living facilities housing more than ten persons shall be classified as Group I-1.

903.2.9 Group R-4. An automatic sprinkler system shall be provided throughout all buildings with a Group R-4 Occupancy.

907.2.10.1.1. Group R-1.

4. Where the ceiling height of a room open to the hallway servicing bedrooms exceeds that of the hallway by 24 inches or more, smoke detectors shall be installed in the hallways and in the adjacent room.

907.2.10.1.2. Groups R-2, R-3, R-4 and I-1.

4. Where the ceiling height of a room open to the hallway servicing bedrooms exceeds that of the hallway by 24 inches or more, smoke detectors shall be installed in the hallways and in the adjacent room.

1604.8.1 Anchorage of the roof to walls and columns, and of walls and Columns to foundations, shall be provided to resist those forces that result from the Application of the prescribed loads.

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 3 – Adoption of National Codes

Table 1607.1

Minimum Uniformly Distributed Live Loads and Minimum Concentrated Live Loads⁹

Occupancy or Use	Uniform (psf)	Concentrated (lbs.)
27. Residential		
Group R-3 as applicable in Section 101.2		
Uninhabitable attics with storage	40	
Habitable attics and sleeping areas	40	

Section 1704.1 General. Exceptions: Delete Exception 3 in its entirety.

Figure 1805.3.1 Revise Top of Slope Note to read: $H/3$ or 1.5 times footing width (whichever is greater,) but need not exceed 40 ft. max

Section 3109 Swimming Pool Enclosures. Delete in its entirety.

SECTION 302. 2000 INTERNATIONAL RESIDENTIAL CODE

The 2000 International Residential Code has been adopted as the Residential Building Code for Maricopa County along with the following M.A.G. amendments.

Amendments to the 2000 International Residential Code:

Revise the following Sections to read:

R102.5 Appendices. Provisions in the appendices shall not apply unless specifically referenced in the adopting ordinance. The following appendices are adopted.

Appendix A	Sizing and Capacities of Gas Piping
Appendix B	Sizing of Venting Systems Serving Appliances Equipped with Draft Hoods, Category I Appliances, and Appliances Listed For Use and Type B Vents
Appendix C	Exit Terminals of Mechanical Draft and Direct-Vent Venting Systems
Appendix D	Recommended Procedure For Safety Inspection of an Existing Appliance Installation
Appendix H	Patio Covers
Appendix J	Existing Buildings and Structures
Appendix K	Sound Transmission

R105.2 Work exempt from permit. Permits shall not be required for the following. Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction.

Building:

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 3 – Adoption of National Codes

1. One-story detached accessory structures used as tool and storage sheds, play-Houses and similar uses, provided the floor area does not exceed 120 square feet (11.15m²).

R113.3. Prosecution of violation. If the notice of violations is not complied with in the time prescribed by such notice, the building official is authorized to request the legal counsel of the jurisdiction to institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful occupancy of the building or structure in violation of the provisions of this code or of the order or direction made pursuant thereto.

R201.4 Terms not defined. Where terms are not defined through the methods authorized by this section, such terms shall have ordinarily accepted meanings such as the context implies. Webster's Third New International Dictionary of the English Language, Unabridged, shall be considered as providing ordinarily accepted meanings.

Table R301.4

Minimum Uniformly Distributed Live Loads

(In pounds per square foot)

Use	Live Load
Attics with storage ^{b,e}	40
Sleeping rooms	40

R305.1 Minimum height. Habitable Rooms shall have a ceiling height of 7 feet 6 inches (2286 mm). Hallways, corridors, bathrooms, toilet rooms, laundry rooms and basements shall have a ceiling height of not less than 7 feet (2134 mm).(Remainder of Section to remain unchanged)

R309.1 Opening protection. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and garage and residence shall be equipped with solid wood doors not less than 1 3/8 inch (35 mm) in thickness, solid or honeycomb core steel doors not less than 1 3/8 inches (35 mm) thick, or 20-minute fire-rated doors. Doors providing opening protection shall be maintained self-closing and self-latching.

R309.2 Separation required. The garage shall be separated from the residence and its attic area by not less than 1/2-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch (15.9 mm) Type X gypsum board or equivalent. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than 1/2-inch (12.7 mm) gypsum board or equivalent.

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 3 – Adoption of National Codes

In buildings protected with an automatic fire sprinkler system, including the private garage, the separation shall be permitted to be limited to a minimum ½-inch (12.7mm) gypsum board applied to the garage side.

R316.2 Guard opening limitations. Required guards on open sides of stairways, raised floor areas, balconies and porches shall have intermediate rails or ornamental closures that do not allow passage of a sphere 4 inches (102 mm) in diameter.

R317.1 Single- and multiple-station smoke alarms. Single- and multiple-station smoke alarms shall be installed in the following locations:

1. Unchanged
2. Unchanged
3. Unchanged
4. Where the ceiling height of a room open to the hallway servicing bedrooms exceeds that of the hallway by 24 inches or more, smoke detectors shall be installed in the hallways and in the adjacent room.

317.1.1 Alterations, repairs and additions. When interior alterations, repairs or additions requiring a permit occur, or when one or more sleeping room are added or created in existing dwellings, the individual dwelling unit shall be provided with smoke alarms located as required for new dwelling; the smoke alarms shall be interconnected and hard wired.

Exceptions:

1. Smoke alarms in existing areas shall not be required to be interconnected and hard wired where the alterations or repairs do not result in the removal of interior wall or ceiling finishes exposing the structure, unless there is an attic, crawl space, or basement available which could provide access for hard wiring and interconnections without the removal of interior finishes.
2. Repairs to the exterior surfaces of dwellings are exempt from the requirements of this section.
3. When the value of the alterations or repairs requiring a permit is less than \$1000 and the work is limited to areas other than the rooms or areas listed in Section 317.1, the installation of smoke alarms is not required.

Replace Figure R403.1.7.1 Foundation Clearances From Slopes *with* IBC Figure 1805.3.1 Foundation Clearances From Slopes. *Revise Top of Slope Note to read:* H/3 or 1.5 times footing width (whichever is greater,) but need not exceed 40 ft. max

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 3 – Adoption of National Codes

Table R503.2.1.1(1) Allowable Spans and Loads for Wood Structural Panels for Roof and Sub Floor Sheathing and Combination Sub Floor Underlayment

Change the second column, 8th line for span rating of 48/24 to read as follows:

23/32, ¾

Table R702.3.4

Minimum Thickness and Application of Gypsum Board

(Remainder of Table to remain unchanged)

Thickness of Gypsum Board	Application	Orientation of Gypsum Board to Framing	Maximum Spacing of Framing Members (inches o.c.)	Maximum Spacing of Fasteners (inches)		Size of Nails for Application to Wood Framing ^c
				Nails ^a	Screws ^b	
						13 gage, 1 5/8" long, 19/64" head; 0.098 diameter, 1 3/8" long annular-ringed; 6 d cooler nail, 0.092 diameter, 1 7/8" long, 1/4" head; or gypsum board nail, 0.0915 diameter, 1 7/8" long, 19/64" head.
5.8"	Ceiling	Either Direction	16	7	12	
	Ceiling ^e	Perpendicular	24	7	12	
	Wall	Either Direction	24	8	12	

(Footnotes a, b, c and d remain unchanged)

e. Type X gypsum board for garage ceilings beneath habitable rooms shall be installed perpendicular to the ceiling framing and shall be fastened at maximum 6" o.c. by minimum 1-7/8" 6d coated nails or equivalent drywall screws.

Figure R1003.1 Fireplace and chimney details. *At the fireplace shown on the right side, change the hearth extension reference note shown as "G" to "C".*

SECTION 303. 2000 INTERNATIONAL MECHANICAL CODE

The 2000 International Mechanical Code has been adopted as the Mechanical Code for Maricopa County along with the following M.A.G. Amendment.

Amendments to the 2000 International Mechanical Code:

Revise the following Sections to read:

201.4 Terms not defined. Where terms are not defined through the methods authorized by this chapter, such terms shall have ordinarily accepted meanings such as the context implies. Webster's Third New International Dictionary of the English Language, Unabridged, shall be considered as providing ordinarily accepted meanings.

303.3 Prohibited locations. Fuel-fired appliances shall not be located in, or obtain combustion air from, any of the following rooms or spaces:

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 3 – Adoption of National Codes

1. Sleeping rooms.
2. Bathrooms.
3. Toilet rooms.
4. Storage closets.
5. Surgical rooms.
6. Gas fired appliances with natural draft venting shall not be installed in any room operating under negative pressure unless the appliances are listed for that use.

304.3 Elevation of ignition source. Equipment and appliances having an ignition source and located in hazardous locations and public garages, private garages, repair garages, automotive service stations and parking garages shall be elevated such that the source of ignition is not less than 18 inches (457 mm) above the floor surface on which the equipment or appliance rests. Such equipment and appliances shall not be installed in Group H occupancies or control areas where open use, handling or dispensing of combustible, flammable or explosive materials occurs. For the purpose of this section, rooms or spaces that are not part of the living space of a dwelling unit and that communicate directly with a private garage through openings shall be considered to be part of the private garage.

Exception: clothes dryers installed in private garages.

M306.5 Equipment and appliances on roofs or elevated structures. Where equipment and appliances requiring access are installed on roofs or elevated structures at a height exceeding 16 feet (4877 mm), such access shall be provided by a permanent approved means of access, the extent of which shall be from grade or floor level to the equipment and appliances' level service space. Such access shall not require climbing over obstructions greater than 30 inches (762 mm) high or walking on roofs having a slope greater than 4 units vertical in 12 units horizontal (33-percent slope).

Ladders and catwalks providing the required access shall be as required by the relevant safety regulations but shall not be less than the following:

1. Ladders shall:

- 1.1 Not be less than 14 inches (356 mm) wide,
- 1.2 Have a rung spacing not more than 14 inches (356 mm) on center,
- 1.3 Have a toe space at least 6 inches (152 mm) deep,
- 1.4 Provide intermediate landings not more than 18 feet (5486 mm) apart, and
- 1.5 Have side railings, which extend at least 30 inches (762 mm) above the scuttle opening or coping to the step off.

2. Catwalks shall:

- 2.1 Not be less than 24 inches (610 mm) wide and
- 2.2 Have railings as required for service platforms.

Permanent ladders and catwalks shall be fixed to the structure as required by the Building Code. Stairways providing the required access shall comply with the Building Code

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 3 – Adoption of National Codes

M1307.3 Elevation of ignition source. Appliances having an ignition source shall be elevated such that the source of ignition is not less than 18 inches (457 mm) above the floor in garages. For the purpose of this section, rooms or spaces that are not part of the living space of a dwelling unit and that communicate with a private garage through openings shall be considered to be part of the private garage.

Exception: clothes dryers installed in private garages.

M1307.5 Liquefied Petroleum Appliances. LPG appliances shall not be installed in an attic, pit or other location that would cause a ponding or retention of gas.

M1703.2 Two openings or ducts. Outside combustion air shall be supplied through openings or ducts, as illustrated in Figures M1703.2(1), M1703.2(2), M1703.2(3) and M1703.2(4). One opening shall be within 12 inches (305mm) of the top of the enclosure, and one within 12 inches (305mm) of the bottom of the enclosure. For

LPG appliances, any duct serving the lower opening shall be at the floor level and slope to the outdoors without traps or pockets. Openings are permitted to connect to spaces directly communicating with the outdoors, such as ventilated crawl spaces or ventilated attic spaces. The same duct or opening shall not serve both combustion air openings. The duct serving the upper opening shall be level or extend upward from the appliance.

Section M2006.2 Location. Delete this Section in its entirety.

Section G2403 General Definitions

Appliance. A device or apparatus that is manufactured and designed to utilize energy and for which this code provides specific requirements.

Equipment. All piping, ducts, vents, control devices and other components of systems other than appliances which are permanently installed and integrated to provide control of environmental conditions for buildings. This definition shall include other systems specifically regulated in this code.

G2406.2 Prohibited locations. Fuel-fired appliances shall not be located in, or obtain combustion air from, any of the following rooms or spaces:

1. Sleeping rooms
2. Bathrooms
3. Toilet rooms
4. Storage Closets

Exceptions:

1. Unchanged
2. Unchanged
3. Unchanged

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 3 – Adoption of National Codes

4. Unchanged
5. Unchanged

5. Liquefied Petroleum Appliances. LPG appliances shall not be installed in an attic, pit or other location that would cause a ponding or retention of gas.

P2710.1 Finishes. Shower walls shall be finished in accordance with Section R307.2.

E3603.2 Kitchen and dining area receptacles. A minimum of two 20-ampere-rated branch circuits shall be provided to serve receptacles located in the kitchen, pantry, breakfast area and dining area. The kitchen countertop receptacles shall be served by a minimum of two 20-ampere-rated branch circuits, either or both of which shall also be permitted to supply other receptacle outlets in the kitchen, pantry, breakfast area and dining area. Dishwasher and garbage disposer may be on the same 20-ampere branch circuit.

SECTION 304. 1994 UNIFORM PLUMBING CODE

The 1994 Uniform Plumbing Code has been adopted as the plumbing code for Maricopa County with no amendments.

SECTION 305. 1999 NATIONAL ELECTRICAL CODE

The 1999 National Electrical Code has been adopted as the electrical code for Maricopa County along with the following M.A.G. amendments.

Revise Sections 210-8 (a) and (b)

210-8. Ground-Fault Circuit-Interrupter Protection for Personnel FPN: See Section 215-9 for ground-fault circuit-interrupter protection for personnel on feeders.

- (a) All Occupancies. All 125-volt, single-phase, 15- and 20-ampere receptacles installed in the locations specified below shall have ground-fault circuit-interrupter protection for personnel.
 1. Bathrooms.
 2. Garages, and also accessory buildings that have a floor located at or below grade level not intended as habitable rooms and limited to storage areas, work areas, and areas of similar use.

Exception No.1: Receptacles that are not readily accessible.

Exception No.2: A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another, and that is cord- and plug-connected in accordance with Section 400-7(a)(6), (a)(7), or (a)(8). Receptacles installed under the exceptions to Section 210-8 (a)(2) shall not be considered as meeting the requirements of Section 210-52(g).

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 3 – Adoption of National Codes

3. Outdoors.

Exception: Receptacles that are not readily accessible and are supplied by a dedicated branch circuit for electric snow-melting or deicing equipment shall be permitted to be installed in accordance with the applicable provisions of Article 426.

4. Crawl spaces. Where the crawl space is at or below grade level.

5. Unfinished basements. For purposes of this section, unfinished basements are defined as portions or areas of the basement not intended as habitable rooms and limited to storage areas, work areas, and the like.

Exception No.1: Receptacles that are not readily accessible.

Exception No.2: A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another, and that is cord- and plug-connected in accordance with Section 400-7(a)(6), (a)(7), or (a)(8).

Receptacles installed under the exceptions to Section 210-8(a)(5) shall not be considered as meeting the requirements of Section 210-52(g).

6. Kitchens. Where the receptacles are installed to serve the countertop surfaces

7. Wet bar sinks. Where the receptacles are installed to serve the countertop surfaces and are located within 6 ft. (1.83 m) of the outside edge of the wet bar sink.

Receptacle outlets shall not be installed in a face-up position in the work surfaces or countertops.

Revise Sections 210-8 (a) and (b)

8. Within 6 ft. (1.83m) of any sink, wash basin, tub or shower.

New Section 230-63:

230-63. Location. All service equipment rated 1000 amperes or more located inside a building shall be enclosed within a room or space separated from the rest of the building by not less than one-hour fire-resistive occupancy separation.

Revise Section 250-118

250-118. Types of Equipment Grounding Conductors

The equipment grounding conductor run with or enclosing the circuit conductors shall be one or more or a combination of the following:

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 3 – Adoption of National Codes

1. A copper or other corrosion-resistant conductor. This conductor shall be solid or stranded; insulated, covered, or bare; and in the form of a wire or a busbar of any shape.
2. Rigid metal conduit.
3. Intermediate metal conduit.
4. Electrical metallic tubing with an individual equipment-grounding conductor.
5. Flexible metal conduit with an individual equipment grounding conductor and where both the conduit and fittings are listed for grounding.
6. Listed flexible metal conduit that is not listed for grounding, with an individual equipment grounding conductor, and meeting all the following conditions:
 - a. The conduit is terminated in fittings listed for grounding.
 - b. The circuit conductors contained in the conduit are protected by overcurrent devices rated at 20 amperes or less.
 - c. The combined length of flexible metal conduit and flexible metallic tubing and liquidtight flexible metal conduit in the same ground return path does not exceed 6 ft (1.83m)
 - d. The conduit is not installed for flexibility.
7. Listed liquidtight flexible metal conduit with an individual equipment grounding conductor_and meeting all the following conditions.
 - a. The conduit is terminated in fittings listed for grounding.
 - b. For trade sizes 3/8 in. through 1/2 in., the circuit conductors contained in the conduit are protected by overcurrent devices rated at 20 amperes or less.
 - c. For trade sizes 3/4. through 1 1/4 in., the circuit conductors contained in the conduit are protected by overcurrent devices rated not more than 60 amperes and there is no flexible metal conduit, flexible metallic tubing, or liquidtight flexible metal conduit in trade sizes 3/8 in. or 1/2 in. in the grounding path.
 - d. The combined length of flexible metal conduit and flexible metallic tubing and liquidtight flexible metal conduit in the same ground return path does not exceed 6 ft (1.83 m).
 - e. The conduit is not installed for flexibility
8. Flexible metallic tubing with an individual equipment grounding conductor and where the tubing is terminated in fittings listed for grounding and meeting all the following conditions.
 - a. The circuit conductors contained in the tubing are protected by overcurrent devices rated at 20 amperes or less.

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 3 – Adoption of National Codes

- b. The combined length of flexible metal conduit and flexible metallic tubing and liquidtight flexible metal conduit in the same ground return path does not exceed 6 ft (1.83 m).
- 9. Armor of Type AC cable with an individual equipment grounding conductor and as provided in Section 333-21.
- 10. The copper sheath of mineral-insulated, metal-sheathed cable.
- 11. The metallic sheath of Type MC cable with an individual equipment grounding conductor.
- 12. Cable trays as permitted in Sections 318-3(c) and 318-7.
- 13. Cable bus framework as permitted in Section 365-2(a).
- 14. Other electrically continuous metal raceways listed for grounding

Revise Section 310-15 (b)(6)

120/240-Volt and 120/208-Volt, 3-Wire, Single-Phase Dwelling Services and Feeders. For dwelling units, conductors, as listed in Table 310-15(b)(6), shall be permitted as 120/240-volt and 120/208 volt, 3-wire, single-phase-service-entrance conductors, service lateral conductors, and feeder conductors that serve as the main power feeder to a dwelling unit and are installed in raceway or cable with or without an equipment grounding conductor. For application of this section, the main power feeder shall be the feeder(s) between the main disconnect and the lighting and appliance branch-circuit panel board(s), and the feeder conductors to a dwelling unit shall not be required to be larger than their service-entrance conductors. The grounded conductor shall be permitted to be smaller than the ungrounded conductors, provided the requirements of Sections 215-2, 220-22, and 230-42 are met.

Table 310-15(b)(6). Conductor Types and Sizes for 120/240-Volt and 120/208-Volt 3- Wire, Single-Phase-Dwelling Services and Feeders.

Conductor Types RH, RHH, RHW, RHW-2, THHN, THHW, THW, THW-2, THWN, THWN-2, XHHW, XHHW-2, SE, USE, USE-2

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 3 – Adoption of National Codes

Conductor (AWG or kcmil)

Copper	Aluminum or Copper-Clad Aluminum	Service or Feeder Rating Amperes	
		<30°C (86°F)	>30°(86°F)
4	2	100	----
3	1	110	----
2	1/0	125	100
1	2/0	150	125
1/0	3/0	175	150
2/0	4/0	200	175
3/0	250	225	200
4/0	300	250	225
250	350	300	250
350	500	350	300
400	600	400	350
500	750	-----	400

Revise Section 336-4

336-4. Uses Permitted

Type NM, Type NMC, and Type NMS cables shall be permitted to be used in the following:

1. One- and two-family dwellings. Multi-family dwellings. Other residential accessory structures
3. Cable trays, where the cables are identified for the use

FPN: See Section 310-1 0 for temperature limitation of conductors.

(a) Type NM. Type NM cable shall be permitted for both exposed and concealed work in normally dry locations. It shall be permissible to install or fish Type NM cable in air voids in masonry block or tile walls where such walls are not exposed or subject to excessive moisture or dampness.

(b) Type NMC. Type NMC cable shall be permitted as follows:

1. For both exposed and concealed work in dry, moist, damp, or corrosive locations.
2. In outside and inside walls of masonry block or tile.
3. In a shallow chase in masonry, concrete, or adobe protected against nails or screws by a steel plate at least 1/16-in. (1.59-mm) thick, and covered with plaster, adobe, or similar finish.

(c) Type NMS. Type NMS cable shall be permitted for both exposed and concealed work in normally dry locations. It shall be permissible to install or fish Type NMS cable in air voids in masonry block or tile walls where such walls are not exposed or subject to excessive moisture or dampness. Type NMS cable shall be used as permitted in Article 780.

MARICOPA COUNTY LOCAL ADDITIONS & ADDENDA

Chapter 3 – Adoption of National Codes

336-5. Uses Not Permitted

(a) Types NM, NMC, and NMS. Types NM, NMC, and NMS cables shall not be used in the following:

1. In any multifamily dwelling or other structure exceeding three floors above grade
For the purpose of this article, the first floor of a building shall be that floor that has 50 percent or more of the exterior wall surface area level with or above finished grade. One additional level that is the first level and not designed for human habitation and used only for vehicle parking, storage, or similar use shall be permitted.
2. Deleted.

Revise Section 336-4 To delete number 3 through 9.

(b) Types NM and NMS. Types NM and NMS cable shall not be installed in the following:

1. Where exposed to corrosive fumes or vapors
2. Where embedded in masonry, concrete, adobe, fill, or plaster
3. In a shallow chase in masonry, concrete, or adobe and covered with plaster, adobe, or similar finish.